

Broadleaf weed control with Starane Flex

The objective of the study was to evaluate broadleaf weed control with Starane Flex tank mixes. Starane Flex contains fluroxypyr (Starane) and florasulam. Florasulam is a Group 2 ALS-inhibitor used primarily for broadleaf weeds. All treatments were applied to 4-leaf durum on June 8. Very minimal crop chlorosis was observed with any treatment, but temporary slight stunting was observed. Starane Flex alone did not control lambsquarters, while Starane Flex tank mixed with MCPA ester or 2,4-D ester effectively controlled lambsquarters. All treatments provided excellent control of pigweed and wild buckwheat.

Treatment ^a	Rate	Durum					Weed Control ^b					
		Chlorosis		Growth Reduction			Colq		Rrpw		Wibw	
		13-Jun	16-Jun	16-Jun	23-Jun	5-Jul	5-Jul	21-Jul	5-Jul	21-Jul	5-Jul	21-Jul
		-----%		-----%			-----%					
Untreated		0	0	0	0	0	0	0	0	0	0	0
Starane Flex	13.5 fl oz	1	0	1	6	0	47	40	99	99	99	99
Starane Flex + MCPe	13.5 fl oz + 8.63 fl oz	1	0	3	8	2	99	99	99	99	99	99
Starane Flex + 2,4-De	13.5 fl oz + 8.55 fl oz	1	0	1	7	0	99	99	99	99	99	99
Affinity TM + MCPe	0.6 oz + 12.95 fl oz	1	0	5	15	5	99	99	99	99	99	99
Huskie + AMS	11 fl oz + 1.47%	2	0	0	1	0	99	99	99	99	97	99
LSD (0.05)		NS	NS	1	3	2	4	NS	NS	NS	2	NS
CV		0	0	25	28	93	3	0	0	0	1	0
^a All treatments applied at 4-leaf durum; Affinity TM=Affinity TankMix applied with Activator 90 (0.25%)												
^b Colq=Common lambsquarters; Rrpw=Redroot pigweed; Wibw=Wild buckwheat												